Comparative statement

Name of Work : Construction of Gazebo, Watchman Shed, Pathway Improvement, Child Play Equipment and Other Development Works at Doddabommasandra Lake in Ward - 10.

Estimate Cost: 99,00,000

Amount Put to Tender: 99,00,000

Item No	Description of Item	Unit	As per Tender			Anticipated /Actual Executed Approximate Qnty	Up to 125%			Beyond 125%			Savings	Excess	Total Amount
			Quantity	Rate Quaoted rate by contr	Amount		Quantity	Rate	Amount	Quantity	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	De-silting tank bed/ Feeder channel in dry condition by excavating the deposited bed material and disposing off the same by stacking/formation of Embankment or as directed including cost of all machinery, labour etc., complete with lead up to 1 km and all lifts.(MI BCSR 2018-19,P-116,I-7.54.2)	cum	5000.00	76.58	382900.00	5000.00	5000.00	76.58	382900.00						382900.00
2	Extra lead for dumping the removed quantity of Silt to specified dump yard for a distance of 17 km from lake, 17 km lead taken = (lead more than 4 km up to 5 km - initial lead + every km beyond 5 km up to 17 km) = (Rs.111.50-Rs.66.60)+(12 kmxRs.10.40) = Rs.169.70	cum	5000.00	178.00	890000.00	5000.00	5000.00	178.00	890000.00						890000.00
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil	cum	100.80	276.87	27908.50	1368.42	126.00	276.87	34885.62	1242.42	276.87	343992.63		350969.75	378878.25
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.	cum	33.02	5775.42	190704.37	59.57	41.28	5775.42	238380.46	18.30	5775.42	105661.24		153337.33	344041.70
5	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.	cum	4.94	5903.29	29162.25	12.16	6.18	5903.29	36452.82	5.99	5884.39	35218.05		42508.62	71670.87
6	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum	130.36	5110.48	666202.17		0.00	5110.48	0.00				666202.17		0.00
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-25,I-5.9)	cum	93.25	6096.77	568493.32		0.00	6096.77	0.00				568493.32		0.00
8	Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials,labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	cum	31.03	6721.68	208573.73	16.76	16.76	6721.68	112655.36				95918.37		112655.36
9	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer- in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of Materials, labour, HOM complete as per specification.	Rmt	191.70	955.16	183104.17								183104.17		0.00

10	Providing chain link fencing 50mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of Materials, labour, HOM complete as per specification.	Sqm	280.00	795.04	222611.20								222611.20		0.00
11	Providing and fixing M.S. Block pipe of 38mm dia, of heavy gauge of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by `the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint including cost of Materials, labour, HOM complete as per specification.	Rmt	350.38	453.69	158963.90								158963.90		0.00
12	Loosening, levelling and compacting original groundsupporting embankment to facilitate placement of first layer of embankment/ subgrade, scarified to a depth of 150mm, mixed with water at OMC andthen compacted by rolling so as to achieve	cum	7740.00	25.57	197911.80								197911.80		0.00
13	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil	cum	64.50	276.87	17858.12								17858.12		0.00
14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400	Nos	3791.00	500.85	1898722.35	2413.33	2413.33	500.85	1208716.33				690006.02		1208716.33
15	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (excluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after thoroughly cleaning oil, dirt, dust other foreign matter, including cost of materials, labour, complete as per specification	Sqm	774.00	78.95	61107.30	3174.44	967.50	78.95	76384.13	2206.94	78.95	174232.93		189509.75	250617.05
16	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19,P-35,I-2.36)	cum	481.60	246.85	118882.96	1306.50	602.00	246.85	148603.70	704.50	246.85	173906.30		203627.04	322510.00
17	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	cum	48.05	332.47	15973.52	53.70	53.70	332.47	17853.64					1880.12	17853.64
18	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	1.67	78909.93	132016.31	0.64	0.64	78909.93	50502.36				81513.96		50502.36
19	Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. cement mortar 1:3	Sqm	75.56	261.31	19743.54	92.79	92.79	261.31	24246.95					4503.42	24246.95
20	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Sqm	12.45	321.35	4000.81	98.17	15.56	321.35	5001.01	82.61	327.41	27046.84		28047.04	32047.85
21	Extra for providing and mixing waterproofing compound in cement plaster for stone masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 20mm thick cost of materials complete as per specifications.	Sqm	21.03	10.00	210.30	98.17	26.29	10.00	262.88	71.88	10.20	732.93		785.51	995.81
22	MS Sheet 20 Guage for Sump Tank cover complete as per specification including cost of materials and labour charges and withall lead and lift, complete as per specification and direction of engineer in charge of work	kgs	45.00	39.58	1781.10								1781.10		0.00
23	Providing 20mm square M.S.Footrest and fixing in manhole with 1:3:6 cement concrete block of 20x20x10 cms using 20mm an ddown size metal of size including cost of materials, labour charges, curing complete as per specifications	Nos	2.00	306.90	613.80								613.80		0.00
24	Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.	cum	6.25	121.20	757.50								757.50		0.00

25	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil	cum	58.36	276.87	16157.03								16157.03		0.00
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)	cum	139.82	223.50	31250.22	1275.91	174.78	223.50	39062.77	1101.13	223.50	246103.05		253915.60	285165.82
27	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications.	cum	9.58	2700.90	25874.62	0.45	0.45	2700.90	1215.41				24659.22		1215.41
28	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns	Sqm	1.58	6551.55	10351.45								10351.45		0.00

29	Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	8.82	489.25	4315.19								4315.19		0.00
30	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50 m from Ground level	Sqm	71.27	489.25	34866.89	92.79	89.08	489.25	43583.61	3.71	489.25	1813.91		10530.63	45397.52
31	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thicknes including cost of all materials, labour complete as per specifications and direction of the Engineer in charge.	Sqm	42.27	398.07	16826.42	164.39	52.84	398.07	21033.02	111.55	405.59	45244.06		49450.67	66277.08
32	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	25.25	324.69	8198.42	54.54	31.56	324.69	10248.03	22.98	330.81	7601.25		9650.85	17849.28
33	Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.	Sqm	5.83	839.51	4890.99	13.44	7.28	839.51	6113.73	6.16	456.57	2811.31		4034.06	8925.04
34	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	8.82	359.16	3167.79								3167.79		0.00
35	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 2018-19, P-12 I-4.6)	cum	29.66	6028.94	178842.48								178842.48		0.00
36	Construction of partition wall 10 cms thick with table moulded modular burnt bricks of class designation 5.0 Newton per sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	12.21	873.98	10671.30								10671.30		0.00
37	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows,	sqm	11.70	3700.54	43296.32								43296.32		0.00
38	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.	kgs	245.70	105.63	25953.29	248.06	248.06	105.63	26202.58					249.29	26202.58
39	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications.Mathi / Nandi wood frames	cum	0.31	81389.56	25230.76	0.16	0.16	81389.56	13022.33				12208.43		13022.33
40	Fixing of frames in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	Nos	3.00	1518.91	4556.73	6.00	4.00	1518.91	6075.64	2.00	1547.57	3095.14		4614.05	9170.78
41	Providing and fixing in position fully panelled wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications.Honne wood	Sqm	5.78	4766.89	27552.62	4.20	4.20	4766.89	20020.94				7531.69		20020.94
42	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm longbrackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	Sqm	3.15	520.39	1639.23	0.00		520.39					1639.23		0.00

43	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame,with both side prelam	Sqm	4.73	4165.33	19702.01	0.00	0.00	4165.33	0.00				19702.01		0.00
44	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Ceramic Tiles of size 30x30cms 6mm thick	Sqm	8.29	1345.45	11153.78	6.29	6.29	1345.45	8462.88				2690.90		8462.88
45	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms.	Sqm	33.90	1417.72	48060.71	30.32	30.32	1417.72	42985.27				5075.44		42985.27
46	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification.	Sqm	59.93	1085.25	65039.03	62.25	62.25	1085.25	67556.81					2517.78	67556.81
47	Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	sqm	100.29	155.67	15612.14								15612.14		
48	Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	171.90	245.74	42242.71	350.34	214.88	245.74	52803.38	135.47	250.38	33917.09		44477.77	86720.48
49	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.in CM 1:6	Sqm	231.20	272.43	62985.82	124.22	124.22	272.43	33841.25				29144.56		33841.25
50	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.with primer	Sqm	200.03	100.07	20017.00	261.40	261.40	100.07	26158.30					6141.30	26158.30
51	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.with primer	Sqm	122.35	113.42	13876.94	119.90	119.90	113.42	13599.06				277.88		13599.06
52	Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.	Sqm	14.70	55.60	817.32	8.40	8.40	55.60	467.04				350.28		467.04
53	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	14.70	107.86	1585.54	8.40	8.40	107.86	906.02				679.52		906.02
54	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	Sqm	11.70	45.59	533.40	13.70	13.70	45.59	624.58					91.18	624.58
55	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	11.70	105.63	1235.87	13.70	13.70	105.63	1447.13					211.26	1447.13
56	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.	Sqm	200.03	86.73	17348.60	261.40	261.40	86.73	22671.22					5322.62	22671.22
57	Providing & fixing of Door locking arrangements (xv item no.392) complete as per specification including cost of materials and with all lead and lift .	Nos	3.00	577.84	1733.52	3.00	3.00	577.84	1733.52					0.00	1733.52
58	Providing & fixing of Handles powder coated 150mm(Page XV item 388)	Nos	6.00	53.34	320.04	6.00	6.00	53.34	320.04					0.00	320.04
59	Hinges 5" heavy duty complete as per specification including cost of materials and with all lead and lift.	Nos	12.00	32.90	394.80	12.00	12.00	32.90	394.80					0.00	394.80

60	Tower bolt 300mm Long complete as per specification including cost of materials and with all lead and lift.	Nos	6.00	106.67	640.02	6.00	6.00	106.67	640.02					0.00	640.02
61	Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:8 for basement and superstructu/re including cost of materials, labour charges, scaffolding, curing complete as per specifications.with cement mortar 1:6	Sqm	39.22	7460.01	292589.05								292589.05		0.00
62	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application.(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height includingrounding off junctions of walls and slabs. (c) After two days of propercuring, applying a second coat of cement lurry admixed with proprietarywater proofing	Sqm	70.20	1118.61	78526.42								78526.42		0.00
63	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum	35.55	134.54	4782.90	35.55	35.55	134.54	4782.90					0.00	4782.90
64	Providing stoneware gully trap 15cms x 10cms of approved quality and make fixing in M- 15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead).	Nos	3.00	311.34	934.02	3.00	3.00	311.34	934.02					0.00	934.02
65	Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.	Nos	6.00	569.31	3415.86	6.00	6.00	569.31	3415.86					0.00	3415.86
66	Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	Nos	2.00	7854.74	15709.48	2.00	2.00	7854.74	15709.48					0.00	15709.48
67	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.160mm outer dia	Sqm	80.00	1392.15	111372.00	80.00	80.00	1392.15	111372.00					0.00	111372.00
68	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification	Nos	2.00	4696.83	9393.66	2.00	2.00	4696.83	9393.66					0.00	9393.66
69	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Nos	3.00	166.79	500.37	3.00	3.00	166.79	500.37					0.00	500.37
70	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Nos	6.00	156.78	940.68	6.00	6.00	156.78	940.68					0.00	940.68
71	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Nos	2.00	373.61	747.22	2.00	2.00	373.61	747.22					0.00	747.22
72	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Nos	1.00	399.19	399.19	1.00	1.00	399.19	399.19					0.00	399.19
73	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.32mm dia	Mtr	275.00	261.31	71860.25	275.00	275.00	261.31	71860.25					0.00	71860.25
74	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity)	Nos	1.00	7592.33	7592.33	1.00	1.00	7592.33	7592.33					0.00	7592.33

75	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)	Mtr	25.00	261.31	6532.75	25.00	25.00	261.31	6532.75					0.00	6532.75
76	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 25mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)	Mtr	12.00	325.80	3909.60	12.00	12.00	325.80	3909.60					0.00	3909.60
77	Provicing and fixing of submersible single phase motor 0.5/0.37 complete as per specification,including cost of materials and labour charges,with all lead and lift.	Nos	1.00	10847.71	10847.71	1.00	1.00	10847.71	10847.71					0.00	10847.71
78	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising / transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification.	cum	99.90	67.83	6776.22								6776.22		0.00
79	Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	sqm	54.00	157.90	8526.60								8526.60		0.00
80	Natural Sand 5.6 to 75 microns	cum	101.25	1869.12	189248.40								189248.40		0.00
81	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications	sqm	144.00	5980.01	861121.44								861121.44		0.00
82	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site.	each	1.00	110762.08	110762.08								110762.08		0.00
83	Supply and fixing of childern Play Equipment Monker Bar VFM Support posts of height 1.82 m are to be schedule Galvanized steel with a 60 mm OD {Outer Diameter}.All the posts are to be finished with a baked on powder coat finish. Handrail of size 1.3 m and Dia 48 mm shall be an welded unit, fabricated from 48 O.D. galvanized steel pipes with a baked on powder coating finish. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 grade and shall be of tamper resistant stainless steel. Electro - statically applied polyester powder must have a tough finish with maximum durability. The rates are to be inclusive of supply and installation at site.	each	1.00	84195.89	84195.89								84195.89		0.00
84	Supply and fixing of childern Play Equipment Four Seater Seesaw : SPECIFICATIONS The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 4 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site.	each	1.00	95334.17	95334.17								95334.17		0.00
85	Supply and fixing of childern Play Equipment Merry go round - DX : The Merry go round consists of a round platform which is made of galvanized steel and has a thickness of 2.5 mm. It is also power coated with the thickness of 2.5 mm. It is of Dia 1210 mm. It has 3 inverted "L" shaped handrails which is made of Galvanized steel and of dimensions as 474 mmx 815 mm. It has thickness of Dia 32 mm. The 3 handrails are separated exactly. All the 3 handrails are connected to the Centre with the help of a rod which is also made of Galvanized steel and of Dia 48 mm and height 815 mm. The rates are to be inclusive of supply and installation at site.	each	1.00	75599.33	75599.33								75599.33		0.00

86	Supply and fixing of childern Play Equipment Puppy dog Rider / Elephant rider / Horse rider : : HDPE of size 0.83 m x 0.31 m x 0.87 m, Plastic Components [super thick plastic] shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with "color molded" in not "added in". All rotational molding is carried out in state of the art, precision, bi axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stress free. Specialized connectors such as clamps and couplings are to be cast from aluminium which is pre-treated, and cured, with a baked on powder coat finish.The rates are to be inclusive of supply and installation at site.	each	1.00	49584.13	**49584.13**								**49584.13**		**0.00**
87	Supply and fixing of childern Play Equipment Creppy Crawly climber: The wavey support bars are of height 1.5 m are to be schedule HOT DIP Galvanized steel with a 48 mm OD. Powder coatings used is Akzo Nobel's. The finished products have the following typical characteristics: 0.5mm thickness, oven cured between 191oC and 220oC, to achieve Flexibility, Impact, Salt Spray {Corrosion} Resistance, Hardness, and Adhesion. All post caps are to be cast from aluminum which is pretreated, cured and sandblasted, 114mm diameter, with a baked on powder coat finish.Handrail of height Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. The Electro- statically applied polyester powder has a tough finish with maximum durability using AkzoNobel INTERPON paints application, and dual zone cure oven to a thickness of 0.5mm thickness, oven	each	1.00	197448.03	**197448.03**								**197448.03**		**0.00**
88	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtr	18.00	41.96	**755.28**	**18.00**	**18.00**	**41.96**	**755.28**					**0.00**	**755.28**
89	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtr	15.00	55.60	**834.00**	**15.00**	**15.00**	**55.60**	**834.00**					**0.00**	**834.00**
90	Supplying heavy gauge PVC Conduit Pipe 19/20 dia 2.mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	13.00	53.50	**695.50**	**13.00**	**13.00**	**53.50**	**695.50**					**0.00**	**695.50**
91	Supplying heavy gauge PVC Conduit Pipe 25mm dia 2.mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	10.00	56.65	**566.50**	**10.00**	**10.00**	**56.65**	**566.50**					**0.00**	**566.50**
92	Supplying heavy gauge PVC Conduit Pipe 25mm dia 2.mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	No	4.00	89.17	**356.68**	**4.00**	**4.00**	**89.17**	**356.68**					**0.00**	**356.68**
93	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A....Short point upto 3Mtr from tapping point to outlet via switch	point	8.00	209.80	**1678.40**	**8.00**	**8.00**	**209.80**	**1678.40**					**0.00**	**1678.40**
94	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A....Medium pointabove 3Mtr upto 6Mtrfrom tapping point tooutlet via switch	point	6.00	288.48	**1730.88**	**6.00**	**6.00**	**288.48**	**1730.88**					**0.00**	**1730.88**
95	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A....1.5 sqmm	Mtr	60.00	14.69	**881.40**	**60.00**	**60.00**	**14.69**	**881.40**					**0.00**	**881.40**

96	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A....2.5 sqmm	Mtr	95.00	33.57	3189.15	95.00	95.00	33.57	3189.15					0.00	3189.15
97	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.....4sqmm	Mtr	15.00	47.21	708.15	15.00	15.00	47.21	708.15					0.00	708.15
98	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall....1-3 way	Each	5.00	99.66	498.30	5.00	5.00	99.66	498.30					0.00	498.30
99	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall...4-5 way	Each	1.00	110.15	110.15	1.00	1.00	110.15	110.15					0.00	110.15
100	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box....1 to 3 Module	Each	5.00	115.39	576.95	5.00	5.00	115.39	576.95					0.00	576.95
101	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box....4 Module	Each	1.00	131.13	131.13	1.00	1.00	131.13	131.13					0.00	131.13
102	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A...6Amps one way	Each	4.00	73.93	295.72	4.00	4.00	73.93	295.72					0.00	295.72
103	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A...6Amps 3way socket	Each	4.00	110.15	440.60	4.00	4.00	110.15	440.60					0.00	440.60
104	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A...stepped fan regulator	Each	2.00	304.21	608.42	2.00	2.00	304.21	608.42					0.00	608.42
105	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A...16Amps one way switch	Each	3.00	120.64	361.92	3.00	3.00	120.64	361.92					0.00	361.92
106	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A....6Amps Bell push	Each	1.00	100.70	100.70	1.00	1.00	100.70	100.70					0.00	100.70
107	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A.....6/16 Amps universal socket	Each	3.00	169.94	509.82	3.00	3.00	169.94	509.82					0.00	509.82
108	Supplying 50mm wooden plug,tapered from 50x50mmto 25x25mm and fixing by using binding wire before concreting aroof slab	Each	100.00	7.34	734.00	100.00	100.00	7.34	734.00					0.00	734.00
109	Supplying & fixing retrofit type -PL- LED Lamp .....W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.8-9 Watts	Each	8.00	367.15	2937.20	8.00	8.00	367.15	2937.20					0.00	2937.20
110	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.100Amps	Each	2.00	366.10	732.20	2.00	2.00	366.10	732.20					0.00	732.20
111	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/ three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.4Way	Each	1.00	7343.00	7343.00	1.00	1.00	7343.00	7343.00					0.00	7343.00
112	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.	Each	3.00	455.27	1365.81	3.00	3.00	455.27	1365.81					0.00	1365.81
113	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.	Each	1.00	953.54	953.54	1.00	1.00	953.54	953.54					0.00	953.54

114	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Single Door8Way SP &N	Each	1.00	1007.04	1007.04	1.00	1.00	1007.04	1007.04					0.00	1007.04
115	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	1.00	3146.69	3146.69	1.00	1.00	3146.69	3146.69					0.00	3146.69
116	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip.....25x3mm	Mtr	12.00	78.68	944.16	12.00	12.00	78.68	944.16					0.00	944.16
117	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip..600x600x3mm plate	Each	1.00	797.24	797.24	1.00	1.00	797.24	797.24					0.00	797.24
118	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.	Mtr	15.00	136.37	2045.55	15.00	15.00	136.37	2045.55					0.00	2045.55
119	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.	Each	4.00	2192.41	8769.64	4.00	4.00	2192.41	8769.64					0.00	8769.64
120	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Each	8.00	115.17	921.36	8.00	8.00	115.17	921.36					0.00	921.36
EI-1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum				89.38	89.38	338.74	30276.86					30276.86	30276.86
EI-2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum				8.38	8.38	2751.86	23060.61					23060.61	23060.61
EI-3	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	Cum				15.88	15.88	6721.68	106740.24					106740.24	106740.24
EI-4	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	Cum				43.60	43.60	6848.50	298594.66					298594.66	298594.66
EI-5	Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm				5.40	5.40	1059.68	5722.27					5722.27	5722.27
EI-6	Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm				96.87	96.87	1079.67	104587.90					104587.90	104587.90

I-7	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm				155.76	155.76	901.78	140461.77					140461.77	140461.77
EI-8	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm				6.14	6.14	918.80	5641.42					5641.42	5641.42
EI-9	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)	Cum				36.90	36.90	227.72	8402.75					8402.75	8402.75
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., 1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)	Cum				2690.10	2690.10	667.16	1794737.88					1794737.88	1794737.88
EI-11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, Footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications .	Sqm				25.77	25.77	292.29	7532.40					7532.40	7532.40
EI-12	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	tonnes				6.02	6.02	80398.80	484000.78					484000.78	484000.78
EI-13	Removing and resetting of kerb stones	mtr				2946.15	2946.15	110.08	324318.26					324318.26	324318.26
EI-14	Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.	qtl				0.51	0.51	7991.51	4075.67					4075.67	4075.67
EI-15	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. 450 mm. dia	Mtr				30.00	30.00	2872.14	86164.23					86164.23	86164.23
EI-16	Providing and constucting pithcing / Revetment of 30 cm thick on slopes using granite /basalt/trap/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, HOM etc., complete as per specification.	Sqm				9.00	9.00	497.04	4473.33					4473.33	4473.33
EI-17	Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the	Sqm				94.50	94.50	149.55	14132.04					14132.04	14132.04
EI-18	Providing and fixing engineered wood door frame fabricated using Wood Plastic Composites profiles (WPC) of cross section 75 mm X 125mm with a density of 1250-1300 kg/m3, resistant to water, termite, fungal and UV, using four numbers of L shaped MS or plastic clamps at the corners of the frame to fix it firmly to form a rectangular shape door frame and provided with six numbers of 260mmx25mmx5mm size z shaped MS flat hold fasts for fixing the door frame in the wall and the material and process for manufacturing the door frame confirming to Designs andSpecification including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work, but excluding the cost of fixtures and painting.	Mtr				18.30	18.30	1472.80	26952.17					26952.17	26952.17

EI-19	Solid Panel PVC door Shutter: Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.	Sqm				4.73	4.73	3146.12	14881.14					14881.14	14881.14
EI-20	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners.	Sqm				11.81	11.81	5067.55	59847.78					59847.78	59847.78
GRAND TOTAL					9140520.87				7528303.90			1201376.73	5321820	4910980	8729680.63

Total excess amount =Rs	4910979.79
Total Saving amount =Rs	5321820.03
Net saving Amount= Rs	410840.238
EIRL Amount= Rs	3540884.74

Net savings = (Approved tender amount - Amount as per actuals)

Net savings = 9140520.87 - 8729680.63

Net savings = Rs 410840.24

Net savings = (Savings - Excess)

Net savings =Rs 410840.24

Sanctioned Estimate Amount	9900000.00
Amount Put to Tender	
Amount Entrusted to Contractor	9140520.87
Total Amount Actually Executed and to be Executed	8729680.63
Excess over the Amount Entrested to Contractor	Nil
Saving Amount over the Contract Amount	410840.24
Total work slip quantity amount	4910979.79
Total EIRL Quantity Amount	3540884.74
Total Work Slip and EIRL Amount	**4910979.79**

53.73%

Consultant
(M/s B U Tech Consulting Engineers)

Assistant Engineer
Lakes. BBMP

Assistant Executive Engineer
Lakes. BBMP

Contractor
(Mahesh K N)

Executive Engineer
Lakes. BBMP

Chief Engineer (Lakes)
Bruhat Bengaluru Mahanagara Palike